

IN THE CLAIMS:

The following is a complete listing of the claims, and replaces all earlier versions and listings.

1.-19. (Canceled)

20. (New) A linearizer comprising at least one observation filter model and an adaptation controller, wherein the adaptation controller first determines a frequency response of said at least one observation filter model, and then corrects for the determined frequency response.

21. (New) An amplifier comprising:  
a signal cancellation circuit; and  
a distortion cancellation circuit,  
wherein at least one of the signal and distortion cancellation circuits comprises at least one observation filter model and an adaptation controller, and wherein the adaptation controller first determines a frequency response of said at least one observation filter model, and then corrects for the determined frequency response.

22. (New) A method for an amplifier having at least one observation filter model and an adaptation controller, said method comprising the steps of:  
determining a frequency response of the at least one observation filter model; and  
correcting for the determined frequency response.